DEC STD 131-2 TELECOMMUNICATIONS CONTROLLED COMPONENTS

DOCUMENT IDENTIFIER: A-DS-EL00131-02-0 Rev A1, 19-May-1989

ABSTRACT: This standard defines the meaning of telecommunication product controlled components.

APPLICABILITY: Mandatory for those employees responsible for defining, documenting, and implementing a process for ensuring product compliance to regulatory agency requirements.

STATUS: APPROVED 19-May-1989; tye $VTX SMC for expiration date.

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APPROVAL: This standard has been reviewed and recommended for approval by the general review group for its category, which includes the Manufacturing Group Quality Managers. It has been updated with clerical changes only, by the standard owner.

Michael Neuffer - Standard Owner

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Michael Neuffer

MLO4-2/T65, DTN: 223-4129, CPSR1::NEUFFER

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1 INTRODUCTION

This document clarifies the telecommunications product controlled components definition.

Changes to these components could require another submittal of Telecommunications Products in the United States and Canada and other countries where they are approved.

2 RESPONSIBILITIES

The Design Engineer has the responsibility to identify safety controlled components and work with Component Engineering to obtain certification.

Product Safety Engineering has the responsibility to list components in the Telecommunications Controlled Components List and to obtain the required certification in the foreign countries.

Manufacturing should audit and maintain the Controlled Components List. This Controlled Components List document may be in the form of the Bill of Materials (BOM) with the components highlighted or on a separate addendum to the BOM.

Product Engineering has the responsibility to monitor product ECO activity for changes to the Controlled Components List that may affect telecommunication products in his or her plant.

It is the responsibility of the Plant Product Safety and Regulations Coordinator to disallow the application of agency labels to products that do not conform to the original submittal configuration.

It is the responsibility of the Plant Product Safety and Regulations Coordinator to activate the product hold procedure if he or she detects products that are non-conforming to the original submittal configuration. This non-conformance would invalidate the license granted by the approving agencies.

3 DEFINITIONS

The following definition explains the basic terms used in this standard.

Telecommunications controlled component - Components that must conform to regulations of the countries in which the product is approved, that are used in "registered protective circuitry," or components that can affect the signal conditioning leading to the network interface, per FCC Rule and Regulations Part 68.214, which states the following.

"Changes in registered terminal equipment or registered protective circuitry shall be made as follows:

a. No change in registered terminal equipment or registered protective circuitry that would result in any change in the information furnished the FCC pursuant to Section 68.200 may be made, except after grant of a new application made on FCC Form 730. (68.200 is the Registration Procedure) (Registered Protective Circuitry is defined in the Rules and Regulations as: Separate, identifiable and discrete electrical circuitry designed to protect the telephone network from harm, which is registered in accordance with the rules and regulations in Subpart C of this part).

b. Changes that do not result in any change in the information furnished the Commission pursuant to Section 68.200 may be made without express Commission approval, provided that written notification is given the Commission on Form 730.

c. Where equipment is registered by virtue of incorporation of registered protective circuitry therein, no notification need be given of changes to other than the protective circuitry, its mechanical and electrical connections to the equipment.

d. Changes in registered terminal equipment or registered protective circuitry made pursuant to (b) and (c) above may be made only by Digital or an authorized agent thereof. Digital will remain responsible for the performance of such changes."

The previous information pertains to modems and products that contain modems. This information is pertinent to direct connect products.

Indirect connect products:

- CPUs that contain or can contain an interference to leased line services or the public switched telephone network (PSTN)
- Terminals that can connect to the PSTN through a modem
- Communication servers that connect a network to a PSTN or a lease line service

Direct connect products: Any equipment with a galvanic connection to a PSTN.

4 UNITED KINGDOM

The UK requires component verification, as well as certification of power supply safety. The power supply must be submitted for testing against BS6301 safety standard. The designer must provide all safety controlled components for evaulation and certification. It is important for a designer to use already approved components and, therefore, shorten the approval cycle. The parts listed below have already been approved by BABT and valid certification is maintained.

Isolation transformer	Digital P/N 19-22226-02
Opto isolator	Digital P/N 19-21337-02
Relay	Digital P/N 19-22385-01
Relay	Digital P/N 19-22386-01
Relay	Digital P/N 19-22387-01
Relay	Digital P/N 19-22383-01

5 OTHER COUNTRIES

Additional information will be provided.

6 MONITORING

It would be in the best interest of Digital to monitor and react to component changes in products approved by Postal Telephone and Telegraph (PTT) agencies to avoid de-certification.

All information regarding telecommunications equipment controlled components should be included in the product file information. For example:

- Telecommunications labels and data contained within
- Telephone jacks
- Isolation transformers
- Opto isolators
- Data isolating relays

APPENDIX A

REFERENCED DOCUMENTS

Document Number	Document Title
CFR 47, Part 68.200	*Telecommunications Registration Procedures*
CFR 47, Part 68.214	*Telecommunications Registration Procedure Changes*

Information regarding these regulations may be obtained by contacting:
William Vonalven, Manager of FCC Part 68 Registration, Room 6106, 2025 M Street Northwest, Washington, DC 20554.

Document Number	Document Title
CFR 47Form 703	*Application for Registration of Equipment to be Connected to the Telephone Network*

Copies of this form may be obtained from: Federal Communication Commission,
Room L-18, 1919 M Street Northwest, Washington, DC 20554.

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